深度学习重要的视频教程汇总：

1. Deep Learning and Neural Networks with Kevin Duh: [course page](http://cl.naist.jp/~kevinduh/a/deep2014/)
2. NY Course by Yann LeCun: [2014 version](http://techtalks.tv/deep_learning_nyu_spring_2014/), [2015 version](http://techtalks.tv/deep-learning-nyu-spring-2015/)
3. NIPS 2015 [Deep Learning Tutorial](http://research.microsoft.com/apps/video/default.aspx?id=259574&r=1) by Yann LeCun and Yoshua Bengio ([slides](http://www.iro.umontreal.ca/~bengioy/talks/DL-Tutorial-NIPS2015.pdf))([mp4](http://msrvideo.vo.msecnd.net/rmcvideos/259574/dl/259574.mp4),[wmv](http://msrvideo.vo.msecnd.net/rmcvideos/259574/dl/259574.wmv))
4. ICML 2013 [Deep Learning Tutorial](http://techtalks.tv/talks/deep-learning/58122/) by Yann Lecun ([slides](http://www.cs.nyu.edu/~yann/talks/lecun-ranzato-icml2013.pdf))
5. Geoffery Hinton’s cousera course on [Neural Networks for Machine Learning](https://www.coursera.org/course/neuralnets)
6. Stanford 231n [Class](http://cs231n.stanford.edu/): Convolutional Neural Networks for Visual Recognition ([videos](https://www.youtube.com/playlist?list=PLkt2uSq6rBVctENoVBg1TpCC7OQi31AlC), [github](http://cs231n.github.io/), [syllabus](http://cs231n.stanford.edu/syllabus.html), [subreddit](https://www.reddit.com/r/cs231n/), [project](http://cs231n.stanford.edu/project.html), [final reports](http://cs231n.stanford.edu/reports.html), [twitter](https://twitter.com/cs231n))
7. Large Scale Visual Recognition Challenge [2014](http://image-net.org/challenges/LSVRC/2014/eccv2014), arxiv [paper](http://arxiv.org/abs/1409.0575)
8. GTC Deep Learning [2015](http://on-demand-gtc.gputechconf.com/gtcnew/on-demand-gtc.php)
9. Hugo Larochelle Neural Networks [class](https://www.youtube.com/playlist?list=PL6Xpj9I5qXYEcOhn7TqghAJ6NAPrNmUBH), [slides](http://info.usherbrooke.ca/hlarochelle/cours/ift725_A2013/contenu.html)
10. My youtube [playlist](https://www.youtube.com/playlist?list=PLFyHXClT3SSh792hH9FuWLHb1zeKrUdaI)
11. Yaser Abu-Mostafa’s Learning from Data [course](https://work.caltech.edu/telecourse.html) (youtube [playlist](https://www.youtube.com/playlist?list=PLD63A284B7615313A))
12. Stanford CS224d: Deep Learning for Natural Language Processing: [syllabus](http://cs224d.stanford.edu/syllabus.html), youtube [playlist](https://www.youtube.com/playlist?list=PLFyHXClT3SShCsk058_lY5uPjWo6bQRmv), [reddit](http://www.reddit.com/r/CS224d), [longer playlist](https://www.youtube.com/playlist?list=PL05WXsDr_SWRGcuy5LA5eNjCq1JgcXYM1)
13. Neural Networks for Machine Perception: [vimeo](https://vimeo.com/77050653)
14. Deep Learning for NLP (without magic): [page](http://www.socher.org/index.php/DeepLearningTutorial/DeepLearningTutorial), [better page](http://nlp.stanford.edu/courses/NAACL2013/), [video1](http://techtalks.tv/talks/deep-learning-for-nlp-without-magic-part-1/58414/), [video2](http://techtalks.tv/talks/deep-learning-for-nlp-without-magic-part-2/58415/), [youtube playlist](https://www.youtube.com/playlist?list=PL4617D0E28A5781B0)
15. Introduction to Deep Learning with Python: [video](https://www.youtube.com/watch?v=S75EdAcXHKk), [slides](http://www.slideshare.net/indicods/deep-learning-with-python-and-the-theano-library), [code](https://github.com/Newmu/Theano-Tutorials)
16. Machine Learning course with emphasis on Deep Learning by Nando de Freitas ([youtube playlist](https://www.youtube.com/playlist?list=PLE6Wd9FR--EfW8dtjAuPoTuPcqmOV53Fu)), course [page](https://www.cs.ox.ac.uk/people/nando.defreitas/machinelearning/), torch [practicals](https://github.com/oxford-cs-ml-2015/)
17. NIPS 2013 Deep Learning for Computer Vision Tutorial – Rob Fergus: [video](https://www.youtube.com/watch?v=qgx57X0fBdA), [slides](http://media.nips.cc/Conferences/2013/Video/Tutorial1A.pdf)
18. Tensorflow [Udacity mooc](https://www.udacity.com/course/deep-learning--ud730)
19. Oxford Deep NLP Course 2017 ([github](https://github.com/oxford-cs-deepnlp-2017/lectures))

# CS 294: Deep Reinforcement Learning, Fall 2017：[video](http://rll.berkeley.edu/deeprlcourse/)

# CS 20SI: Tensorflow for Deep Learning Research：[video and ppt](http://blog.csdn.net/lqfarmer/article/details/72956283)